

5 Rec'd PCT/PTO 22 JUN 2004

10/502235

502/2004 (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number  
**WO 03/062414 A2**

(51) International Patent Classification<sup>7</sup>:

**C12N 15/00**

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/EP03/00611

(22) International Filing Date: 22 January 2003 (22.01.2003) ✓

(25) Filing Language:

English

(26) Publication Language:

English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:

0201477.7

23 January 2002 (23.01.2002) GB

(71) Applicant (for all designated States except US): NOVARTIS FORSCHUNGSSTIFTUNG, ZWEIGNIEDERLASSUNG FRIEDRICH MIESCHER INSTITUTE FOR BIOMEDICAL RESEARCH [CH/CH]; Maulbeerstrasse 66, CH-4058 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ~~KISIELOW, Małgorzata, Anna~~ [PL/CH]; Via Vincenzo Vela, 24, CH-6500 Bellinzona (CH). ~~KLEINER, Sandra~~ [DE/DE]; Schöne Aussicht 4, 07639 Weissenborn (DE). ~~NAGAMINE, Yoshikuni~~ [JP/CH]; Gstaltenrainweg 63, CH-4125 Riehen (CH).

(74) Common Representative: NOVARTIS FORSCHUNGSSTIFTUNG, ZWEIGNIEDERLAS-SUNG FRIEDRICH MIESCHER INSTITUTE FOR BIOMEDICAL RESEARCH; Maulbeerstrasse 66, CH-4058 Basel (CH).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 03/062414 A2

(54) Title: METHODS OF OBTAINING ISOFORM SPECIFIC EXPRESSION IN MAMMALIAN CELLS

(57) Abstract: A method is provided for isoform specific gene expression in a mammalian cell in the absence of other isoforms. The method uses RNAi to achieve the specific expression.